The Trail Inventory of
Umatilla NWR
Richland, OR

Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
June, 2013

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NOTE TO USERS OR READERS

In this report, the reader may find a mix of dates associated with the condition assessment and photographs. Chapter 4 shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the cycle 3 assessment was done to in

2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

In Chapter 6 the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because the existing photographs from Cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the Cycle 3 site visit.

The reader may also notice some of the feature photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

Umatilla NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Others		Total
	Miles	%	Miles	%	Miles
Concrete	0.01	100%	0.00	0%	0.01
Admin Road	0.00	0%	5.10	100%	5.10
Total	0.01	0%	5.10	100%	5.11

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Others		Total
	Miles	%	Miles	%	Miles
TC3	0.00	0%	2.32	100%	2.32
TC5	0.01	0%	2.78	100%	2.79
Total	0.01	0%	5.10	100%	5.11

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T500	Trailhead	1	No	0.00	UMAT_C3_0476
T500	Sign	2	No	0.00	UMAT_C3_0477
T500	Sign	5	Yes	0.44	UMAT_C3_0478
T500	Sign	1	No	0.98	UMAT_C3_0479
T500	Gate	1	No	1.00	
T500	Bridge -sf	180	No	1.12	UMAT_C3_0480
T500	Sign	1	No	1.43	UMAT_C3_0482
T500	Sign	1	No	1.43	UMAT_C3_0481
T500	Sign	1	No	2.01	UMAT_C3_0483
T500	Begin Section	1	No	2.23	UMAT_C3_0490
T500	Gate	1	No	2.78	
T500	Sign	1	No	2.78	UMAT_C3_0486
T500	Sign	1	No	2.78	UMAT_C3_0485
T500	Sign	1	No	2.78	UMAT_C3_0484
T500	Gate	1	No	4.46	
T501	Sign	1	No	0.00	UMAT_C3_0547
T501	Trailhead	1	No	0.00	UMAT_C3_0545
T501	Lookout/Ob Deck	1	No	0.01	
T501	Sign	1	No	0.01	UMAT_C3_0546

sf - square feet
lf - linear feet
cf - cubic feet

Umatilla NWR
Trail Location Map

Rte 103

Rte 010

T501

Rte 101

T500

N
W   E
S

Station Boundary

HQ/VC

Miles
0   1   2

Report Generated: 06/24/2013

Trails ID

Station Name: Umatilla NWR

Org Code: **13583**

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T500	Morrow County Heritage Trail	Admin Road	10004288	5.10	From end of Columbia Lane at Refuge Boundary to Parking Lot N (Rte 933)
T501	Kathy's Overlook Trail	Concrete	N/A	0.01	From Kathy's Overlook Parkinglot to Overlook

CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

Umatilla NWR

Trails added to previous inventory:		
Trail #	**Trail Name**	**Reason for Addition**
T500	Morrow County Heritage Trail	new section

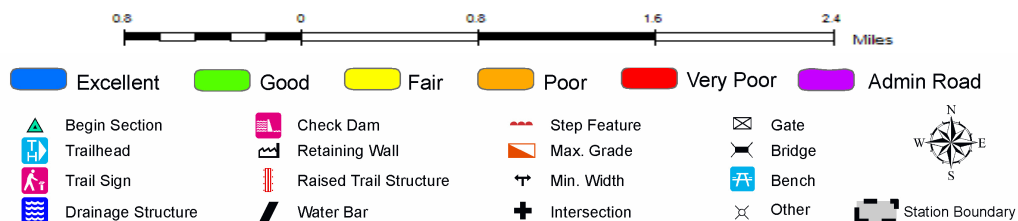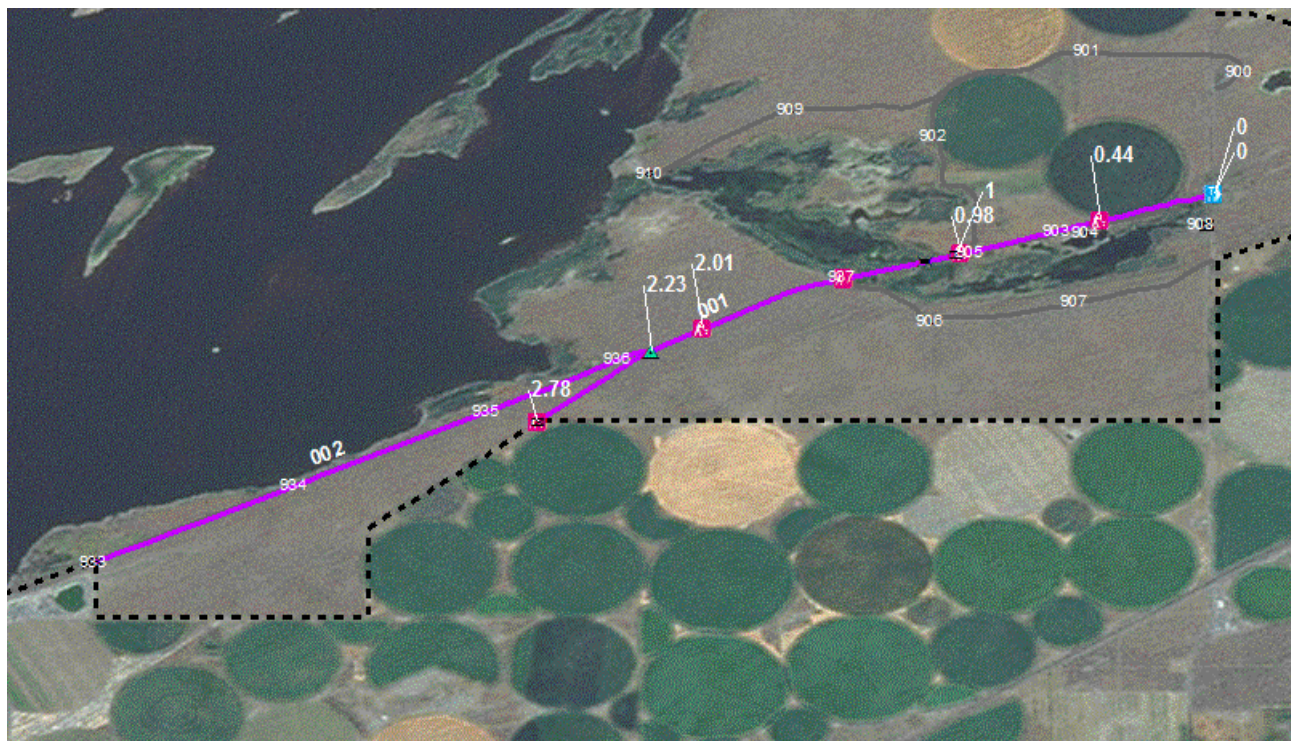| Trails removed from previous inventory:		
Trail #	**Trail Name**	**Reason for Removal**
T400	Paterson Old Road	Removed from inventory
T300	Umatilla Heritage Spur Trail	Removed from inventory
T502	Kathy's Pond Trail	Removed from inventory

Trails modified from previous inventory:			
Trail #	**Trail Name**	**Type of Modification**	**Description of Modification**
T500	Morrow County Heritage Trail	trail length changed	from 1.84 to 5.1
T501	Kathy's Overlook Trail	Name change	from Callows Overlook Trail
T500	Morrow County Heritage Trail	section length change	from 1.84 to 5.1
T501	Kathy's Overlook Trail	section length change	from .02 to .01

Comments:

TRAIL CONDITION

	Excellent		Good		Fair		Poor		Very Poor		Admin Road

Begin Section	Check Dam	Step Feature	Gate	
Trailhead	Retaining Wall	Max. Grade	Bridge	
Trail Sign	Raised Trail Structure	Min. Width	Bench	
Drainage Structure	Water Bar	Intersection	Other	Station Boundary

Trail Name: Morrow County Heritage Trail   **Refuge Name:** Umatilla NWR

Trail Number: T500   **Region:** 1   **Total Length:** **5.10 Miles**

	001	002
Section Number	001	002
Section Length (miles)	2.78	2.32
SAMMS Number	10004288	10004288
Rating Date	05/22/2007	05/22/2007
Trail Section Information		
Trail Class	TC5	TC3
Surface Type	Admin Road	Admin Road
Surface Firmness	Paved	Hard
Width (inches)	240	192
Average Grade (%)	1.5	0.8
Average X-slope (%)	2.70	1.30
Trail Condition Information		
Deferred Maintenance		
CRV		
FCI		
Condition		

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition

TRAIL CONDITION

	Excellent		Good		Fair		Poor		Very Poor		Admin Road

Begin Section	Check Dam	Step Feature	Gate	
Trailhead	Retaining Wall	Max. Grade	Bridge	
Trail Sign	Raised Trail Structure	Min. Width	Bench	
Drainage Structure	Water Bar	Intersection	Other	Station Boundary

Trail Name: Kathy's Overlook Trail   **Refuge Name:** Umatilla NWR

Trail Number: T501   **Region:** 1   **Total Length:** 0.01 Miles

Section Number	001
Section Length (miles)	0.01
SAMMS Number	N/A
Rating Date	08/23/2012
Trail Section Information	
Trail Class	TC5
Surface Type	Concrete
Surface Firmness	Paved
Width (inches)	36
Average Grade (%)	0.2
Average X-slope (%)	1.00
Trail Condition Information	
Deferred Maintenance	
CRV	$1,156
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	$1,156	0.00	Excellent

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TRAIL DEFICIENCY

No Deficiencies

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0476 - MP 0.00 - Trailhead

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0477 - MP 0.00 - Sign

TRAIL NUMBER: T500

STATION: Umatilla NWR

DATE: 08/21/2012

Photo # UMAT_C3_0478 - MP 0.44 - Sign

TRAIL NUMBER: T500

STATION: Umatilla NWR

DATE: 08/21/2012

Photo # UMAT_C3_0479 - MP 0.98 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 05/22/2007

Photo # UMAT_C3_0480 - MP 1.12 - Bridge -sf

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0482 - MP 1.43 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 05/22/2007

Photo # UMAT_C3_0481 - MP 1.43 - Sign

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 05/22/2007

Photo # UMAT_C3_0483 - MP 2.01 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0484 - MP 2.78 - Sign

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0485 - MP 2.78 - Sign

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 08/21/2012

Photo # UMAT_C3_0486 - MP 2.78 - Sign

TRAIL NUMBER: T500
STATION: Umatilla NWR
DATE: 05/22/2007

Photo # UMAT_C3_0490 - MP 2.23 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501
STATION: Umatilla NWR
DATE: 08/23/2012

Photo # UMAT_C3_0547 - MP 0.00 - Sign

TRAIL NUMBER: T501
STATION: Umatilla NWR
DATE: 08/23/2012

Photo # UMAT_C3_0545 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T501
STATION: Umatilla NWR
DATE: 08/23/2012

Photo # UMAT_C3_0546 - MP 0.01 - Sign

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Glossary of Terms and Abbreviations

Acc Info   Accessibility information available at trailhead.

Action   Action required to correct deficiency.

Admin Road   Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.

Alt SAMMS   SAMMS number of Alternate Facility Type.

Alt Type   Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.

AvgGrade   The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

AvgSlope   The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

Check Dam   A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.

Condition   Subjective rating of trail based on Facility Condition Index (FCI):
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FCI  </= - .01 = Excellent
FCI  .02 - .05 = Good
FCI  .06 - .10 = Fair
FCI  .11 - .20 = Poor
FCI   >  - .20 = Failed
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Crib Wall   Retaining wall.

Current Replacement Value (CRV)   The value of an asset determined by the estimated cost of replacing it.

Def type   Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.

Deferred Maintenance (DM)   Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the "quantity" field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the "Action" (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.